



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Friddle <i>et al.</i>	Group Art Unit: 1647
Application No.:	09/974,712	Examiner: R. S. Landsman
Filed:	10/10/01	
Title:	Polynucleotides and Polypeptides Encoding Human Ion Channel Proteins (As Amended)	Atty. Docket No. LEX-0251-USA

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**  
**DATED MAY 16, 2003**

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OCT 22 2003

TECH CENTER 1600/2900

Commissioner for Patents  
Alexandria, VA 22313

Sir:

The Applicants acknowledge the receipt of the Final Office Action ("the Action") mailed on May 16, 2003 (Paper No. 12), which has been carefully reviewed and studied. The Examiner is respectfully requested to enter the following amendments and reexamination and reconsideration of the application is requested in view of the following amendments and remarks. In order to facilitate the Examiner's evaluation of the application, Applicants have attempted to address the objections and rejections in Paper No. 12 in the same order in which they were originally raised.

A Petition for an Extension of Time of two months to and including October 16, 2003 and authorization to deduct the fee as required under 37 C.F.R. § 1.17(a)(1) from Applicants' representatives Deposit Account are included. The response is thus timely filed. Applicants believe no fees in addition to the fee for the extension of time are due in connection with this response. However, the Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 50-0892.